

Licensed Operator - Requal Insights from Accreditation and Assistance Activities Focus on Operator Fundamentals Crew Performance Evaluations Training initiatives Focused on Fundamentals Results

Licensed Operator Requal: • Accreditation Team Visits - Evaluate LOR program construct, oversight, and execution - Exam author peers on targeted OPS ATVs - Review requal to criteria of: • ACAD 07-001, "Guidelines for Continuing Training of Licensed Personnel" and • ACAD 07-002, "Guidelines for Simulator Training" - Also evaluate shift manager and shift technical advisor training

Licensed Operator Requal: • Accreditation Team Visit insights: - Seeing overall improvement over past several years in written exam question quality - Most written exam question gaps identified are with direct look-up and cognitive level - Increasing training "volume" pressure - Better application and more innovations in use of just-in-time training



What are Operator Fundamentals? Closely monitoring plant conditions Precisely controlling plant evolutions Having a bias toward conservatism Working effectively as a team Having a solid understanding of plant design and theory IER 11-3, Weaknesses in Operator Fundamentals

Event Trends: • INPO tracks events associated with operator fundamentals • A rising trend in 2009-2010 led to Industry Event Report (IER) Level 1 issued in 2011 • Resulted in changes to INPO and industry approach to operator fundamentals in the line and in training

Industry/INPO Actions – INPO IER 11-3

- Operations Evaluation Cornerstone:
 - Improved Crew Performance Evaluation, more Realistic, Drive Deeper, Get Broader Sampling
 - Improved Industry Performance Monitoring
- Training Accreditation Cornerstone:

 Training Focus on Operator Fundamentals
 Improved Training and Evaluation
 Techniques

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Event Trends:

- Since implementing a renewed focus on operator fundamentals, early results are encouraging:
 - Event occurrence rates reduced by about 40 percent in 2012 for transients and reactor trips associated with operator fundamentals
 - Significant events occurrence rates were reduced to 0 in 2012

